ELECTROMAGNETIC METER NOTES				
MATERIAL - PIPELINE	PIPING SHALL BE DUCTILE IRON			
COATINGS - PIPELINE	EXTERNAL PIPE COATINGS — PIPE SHALL BE COATED WITH:PRIMER, SERIES 1 OMNITHANE (2.5 TO 3.5 MiL DFT); INTERMEDIATE COAT, SERIES N69 HI—BUILD EPOXOLINE II (6 TO 8 MILS DFT); FINISH COAT, SERIES 73 ENDURA—SHIELD (3 TO 5 MILS DFT). PIPE OUTSIDE VAULT SHALL BE ASPHALTIC COATED FOR BURY. INTERNAL PIPE COATINGS — CEMENT MORTAR LINED FROM ISOLATION VALVE TO ISOLATION VALVE.			

METER VAULT SIZING				
METER SIZE	INTERIOR VAULT (MIN) (WIDTH x LENGTH)	HATCH (MIN)	LEAF	
3"	5'-6" x 6'-4"	36"x48"	1	
4"	5'-6" x 6'-4"	36"x48"	1	
6"	6'-4" x 6'-4"	48"x60"	2	
8"	6'-4" x 6'-4"	48"x60"	2	

METER CONTROL PEDESTAL, SEE DETAIL S-340 PRECAST CONCRETE VAULT TOP, SHALL BE H-20 RATED MANUFACTURER CABLE TO FLOW METER CONDUIT, CORE DRILL HOLE IN VAULT, SHALL BE UN-SPLICED BETWEEN METER AND TRANSMITTER 1/4" SS, TYPE 316, SAFETY CHAIN WITH GROUT TIGHT NON-SHRINK GROUT WITH WATER SEAL, TYP OF ALL ROUTE AND AFFIX METER CONDUIT TO VAULT WALL VAULT PENETRATIONS ISOLATION RJxRJ VALVE PROVIDE 3/4" SS, TYPE 316, EYE BOLT INSIDE HATCH CORNERS FOR SAFETY DI SPOOL (PExFL) MIN. SEE DETAIL PAGE 2 5"X2-1/4" GALV. STL. SLEEVE IN TOP WITH 1' MIN. DI SPOOL (PExFL) MIN 5' (TYP BOTH SIDES OF VAULT) MEGALUG 1100SDB PIPE RESTRAINT (TYP) 2 DIAMETER NOMINAL LENGTHS OR IF DIFFERENT METER PER MANUFACTURERS RECOMMENDATION LENGTH EQUAL TO 5 DIAMETERS OR MANUFACTURER'S RECOMMENDATION WHICHEVER IS LONGER ELECTROMAGNETIC (FLxFL)

METER VAULT STRUCTURAL PLAN

METER VAULT ACCESS HATCH			
CLEAR OPENING	SEE TABLE		
NO. OF LEAVES	SEE TABLE		
RATING	H-20		
MOUNTING*	ANCHOR		
SAFETY GRATING**	YES		
SAFETY CHAIN***	YES		
GASKET	ODOR TIGHT		
DRAIN	NO		
SPRING ASSIST	YES		
ACCESS HATCH NOTES:	•		

1/4" SS CLEVIS GRAP HOOK WITH

SAFETY LATCH EACH SIDE, TYP.

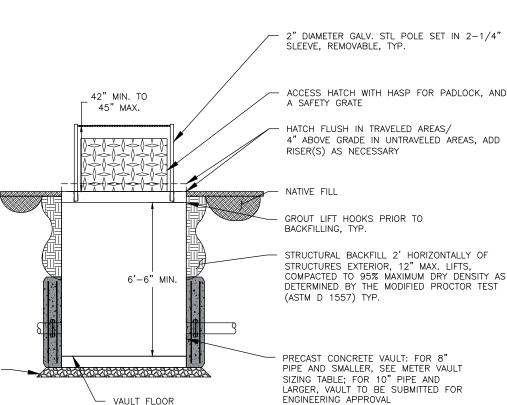
ALUMINUM ACCESS LADDER SEE DETAIL PAGE 2

CHAIN, TYP

REMOVABLE PLUG, TYP.

- ACCESS HATCH NOTES:

 * ACCESS HATCH OVER METER VAULT SHALL
 BE MOUNTED USING STAINLESS STEEL
 BOLTS AS SHOWN ON THIS PLAN.
- *ACCESS HATCH SHALL HAVE REMOVABLE SAFETY GRATING COVER BELOW ACCESS HATCH LID.
- *** SAFETY CHAINS SHALL BE PROVIDED ON ACCESS HATCHES AS DETAILED FOR EACH HATCH ON THIS SHEET.
- ***ACCESS HATCH TO HAVE HASP FOR PADLOCK



SAFETY GRATE **SEE HATCH NOTES

INSTALLATION SHALL BE PER DRAWING

SHOWN WHEN A NON-FULL FLOWING CONDITION MAY EXIST WITHIN A FORCE

MAIN. MANUFACTURERS RECOMMENDED
LAYOUT MAY ALSO BE USED WITH

ENGINEERING APPROVAL.

DI 45° BEND (FLxFL) TYP

NON-FULL PIPE METER DETAIL

6" MIN. THICK FOUNDATION MATERIA	٩L
CLASS A CONFORMING TO WSDOT S	S
9-03.17, COMPACT TO 95% OF TH	ŀΕ
MODIFIED PROCTOR, TY	₽.

METER VAULT STRUCTURAL ELEVATION

VAULT FLOOR

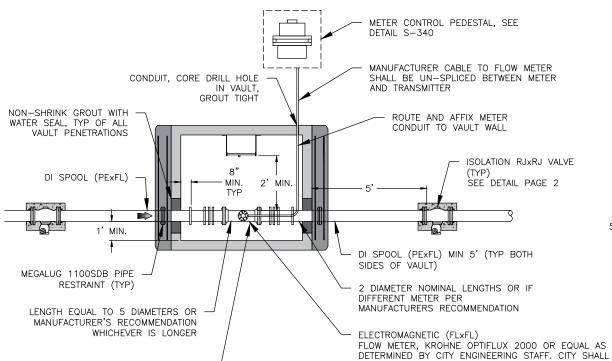
FLOW METER DETAIL **ELECTROMAGNETIC** STANDARD SEWAGE



SA A

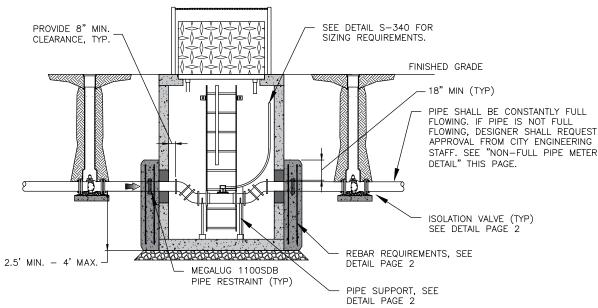
S-320A

1 OF 2



ELECTROMAGNETIC METER PLAN

RFCA, TYP.



PROVIDE METER (PURCHASE/ORDER/PROCURE) AND SHALL

BE REIMBURSED BY DEVELOPER FOR COST OF PROCURING

METER. DEVELOPER TO INSTALL.

ELECTROMAGNETIC METER ELEVATION